TEMPORARY ACCESS BRIDGE

1. SCOPE

The work shall consist of furnishing all labor, materials, and incidentals for the construction of a temporary waterway crossing that spans the stream channel as depicted on the Drawings or as directed by the ENGINEER. Bridges may be either constructed onsite or prebuilt units equivalent to the portable bridge system manufactured by Ellison and Haney Manufacturing, INC of Charleston, WV. The bridge must be capable of supporting up to 80,000 lbs load.

2. MATERIALS

- **2.1.** <u>Concrete</u>: Shall be Class A concrete conforming to the "Concrete" technical specification.
- **2.2. Stringers**: Shall be pre-stressed concrete beam or metal beams.
- **2.3.** <u>Decking</u>: Shall be material that provides sufficient strength to support the anticipated load and butts tightly to prevent any soil material tracked onto the bridge from falling into the waterway below. This includes a curb along the bridge edges.
- **2.4. Rock**: Shall conform to the "Crushed Aggregate and Channel Lining" technical specification.

3. CONSTRUCTION

Construct the temporary bridge structure at or above the bank elevation to prevent impacts from floating materials and debris and construct the bridge to span the entire channel. Place abutments parallel to and on stable banks. Place stringers and securely fasten decking. Install curbs the entire length of the outer sides to the deck to prevent sediment from entering the stream channel. Anchor bridge securely at only one end using steel cable or chain. Anchoring at only one end will prevent channel obstruction in the event that floodwaters float the bridge. Acceptable anchors are large trees, large boulders, or driven steel posts. Anchor must be sufficient to prevent the bridge from floating downstream.

Areas disturbed during bridge installation and/or removal shall be stabilized prior to the end of the current workday unless runoff is directed to an approved sediment control devise. Stabilize approach to bridge and approaches and keep free of erosion. Clean sediment from decking and curbs daily by scraping, sweeping, and/or vacuuming. Ensure that decking and curbs remain tightly butted without gaps. Remove debris trapped by bridge.

After the temporary bridge is no longer needed, remove it within 14 calendar days. Protect stream banks during bridge removal and stabilize all disturbed areas with AML Type A ECB. Accomplish removal of the bridge and clean up all areas without construction equipment working in the waterway channel. Store all removed materials in an approved staging area.